SAKSHI SANJAY PRATAP

spratap7@gatech.edu | www.sakshipratap.me

EDUCATION

Georgia Institute of Technology	M.S. Computer Science	CGPA: 4.0/4.0	Graduation: May 2017
BITS Pilani (India)	B.E. Computer Science	CGPA: 8.76/10	Graduation: May 2014

PROFESSIONAL EXPERIENCE

PayPal, San Jose   May 2016 - Aug 2016
Intern, Business Development | *Python, Flask, JavaScript, d3, Teradata*
Developed a tool to proactively monitor and analyze trends of different integrations to strengthen the relationship with the partners and improve the overall efficiency of the team and operational performance

Computational Enterprise Science Lab, Georgia Institute of Technology   Jan 2016 - Present
Graduate Research Assistant | *Python, JavaScript, d3, MySQL*
Working under Dr. Rahul Basole to analyse business impact and develop marketing strategies using data mining and visual analytics

Information Interfaces Lab, Georgia Institute of Technology   Aug 2015 - Dec 2016
Graduate Research Assistant | *Python, JavaScript, d3, AngularJs, MongoDB, AWS*
Creating web based visual analytics tools for analysis and sensemaking on text document collections, managing the lab web server and application deployment, prototyping visualization designs, mentoring undergraduate student projects

Walmart Global Technology Services, Bangalore   Jul 2014 - Jul 2015
Fulltime, Software Engineer | *Java, JavaScript, JQuery, AngularJs, Oracle*
- Frontend development: Implemented integral features for the redesign and improvement of the UI of samsclub.com
- Other Projects: Data analysis, visualization, prototyping and site enhancement to improve customer experience

Innovation Labs - [24]7-Inc, Bangalore   Jan 2014 - Jun 2014
Intern, Software Developer | *Grails, GSP, HTML, CSS, JavaScript, MongoDB*
Worked independently on multiple web applications to improve the internal communication and collaboration among teams

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PROJECTS, ACADEMICS AND RESEARCH

Teaching Assistant - Prototyping Interactive Systems   Aug 2016 – Dec 2016
Assisting the faculty with the course, lectures and assignment planning, grading and conducting office hours to help the students

Opportunity Hackathon - Collaborative Mapping Infrastructure   July 2016 - July 2016
Created an open source collaborative mapping tool to allow coordination among NPOs during time of disasters. Won the 3rd Place.

Emory Research Project – Clinical discharge Support System   Jan 2016 – May 2016
Collaborated with Professors from GSU and Doctors from Emory University to create a Clinical Discharge Decision support system that can potentially increase a physician's effectiveness in identifying the optimal time to discharge a patient and reduce costs.

Research Project – Interacting with Time Series Predictions   Jan 2016 – May 2016
Worked under Dr. Alex Endert to develop a system that helps improve the accuracy and comprehension of existing prediction model by using interaction and visual analysis techniques to allow the user to steer the prediction process and produce better results.

Academic Project – Stack Overflow Visualization   Sep 2015 – Dec 2015
Developed a visualization tool to support the exploration of programming languages, tools and concepts in terms of their growth, use, features, and relationships to other topics

Google Summer of Code– OpenSource Bioinformatics Software   May 2014 – Aug 2015
Developed the Cytoscape plugin, Pesca to study biological networks for National Resource for Network Biology research. Continued the work and enhanced another plugin, CentiScape to enable simultaneous multiple network analysis and visualization of the results

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TECHNICAL SKILLS

Programming: Java, Python , C
Web Technologies: HTML5, CSS, JSON, JavaScript, JQuery, AngularJs, Bootstrap, Flask, D3.js, AWS. *Familiar:* - JSP, GSP, Grails, Sass
Tools: Adobe Photoshop, After Effects, Maya, 3ds Max, CorelDRAW, MATLAB
Database: MySQL, Oracle, MongoDB

PUBLICATIONS

Article: Scardoni G, Tosadori G, Pratap S et al. Finding the shortest path with PesCa: a tool for network reconstruction F1000Research 2015, 4:484 (doi: 10.12688/f1000research.6769.1)
Journal: "Ontological Tree Generation for Enhanced Information Retrieval", IJAIA, Vol. 4, July 2013, PP. 41-51, ISSN: 0975-900X